

E20 Release Notes for 1.0.11

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Introduction

This document describes all changes introduced in the E20 stock firmware SD card image version 1.0.11 since the previously officially released version 1.0.10. All updates in this release are within the context of the root filesystem from which applications execute during normal operation of the E20 gateway.

Numbering of E20 Releases

The E20 follows the X.Y.Z versioning system, where X is the major version which may be incompatible with prior versions, Y is the minor version which adds backward compatible functionality, and Z is the patch level. Note that while the collective package is release 1.0.11, individual elements within the package typically have their own release numbers.

Overview of 1.0.11

- Updated to u-boot 1.0.4-9-gb126520
- Update all of the /sys/class/gpio/gpio devices to be owned by the 'gpio' group.
- Linux device tree updated to fix real time clock issue, and added /etc/rc2.d/S10-hwclock
- APT packages updated to address CVES:

```
06-make-s10hwclock==1.0.0
70-cves==1.0.10-2
dbus==1.6.18-0ubuntu4.5
dbus-x11==1.6.18-0ubuntu4.5
e20-cell-helpers==1.0.9
e20-gpio-scripts==1.0.6
e20-snap-utils==1.1.0
gateway-updates-1.0.11==1.0.11
libapparmor1:armhf==2.10.95-0ubuntu2.6~14.04.1
libcups2:armhf==1.7.2-0ubuntu1.8
libdbus-1-3:armhf==1.6.18-0ubuntu4.5
libfreetype6:armhf==2.5.2-1ubuntu2.6
libgd3:armhf==2.1.0-3ubuntu0.6
libgudev-1.0-0:armhf==1:204-5ubuntu20.24
libicu52:armhf==52.1-3ubuntu0.5
libnss3:armhf==2:3.26.2-0ubuntu0.14.04.3
libnss3-nssdb==2:3.26.2-0ubuntu0.14.04.3
libpam-systemd:armhf==204-5ubuntu20.24
libssl-dev:armhf==1.0.1f-1ubuntu2.22
```

```
libssl-doc==1.0.1f-1ubuntu2.22
libssl1.0.0:armhf==1.0.1f-1ubuntu2.22
libsystemd-daemon0:armhf==204-5ubuntu20.24
libsystemd-journal0:armhf==204-5ubuntu20.24
libsystemd-login0:armhf==204-5ubuntu20.24
libtiff5:armhf==4.0.3-7ubuntu0.6
libxml2:armhf==2.9.1+dfsg1-3ubuntu4.9
libxpm4:armhf==1:3.5.10-1ubuntu0.1
systemd==204-5ubuntu20.24
systemd-services==204-5ubuntu20.24
systemd-shim==6-2bzl1
```

References

E20 Software Binaries	114-001916-000-A004
E20 Software Installation Document	114-001903-000-A010